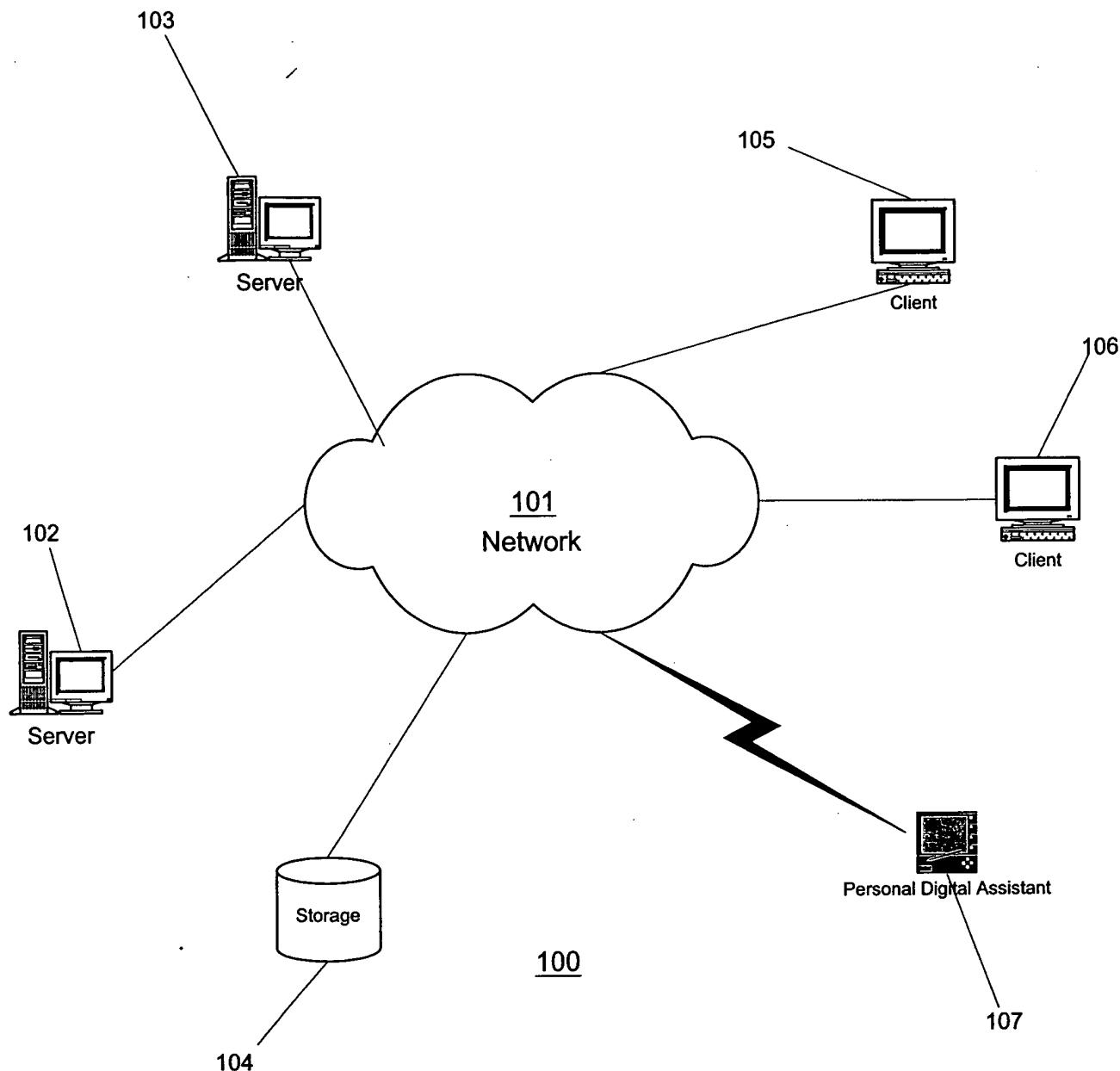
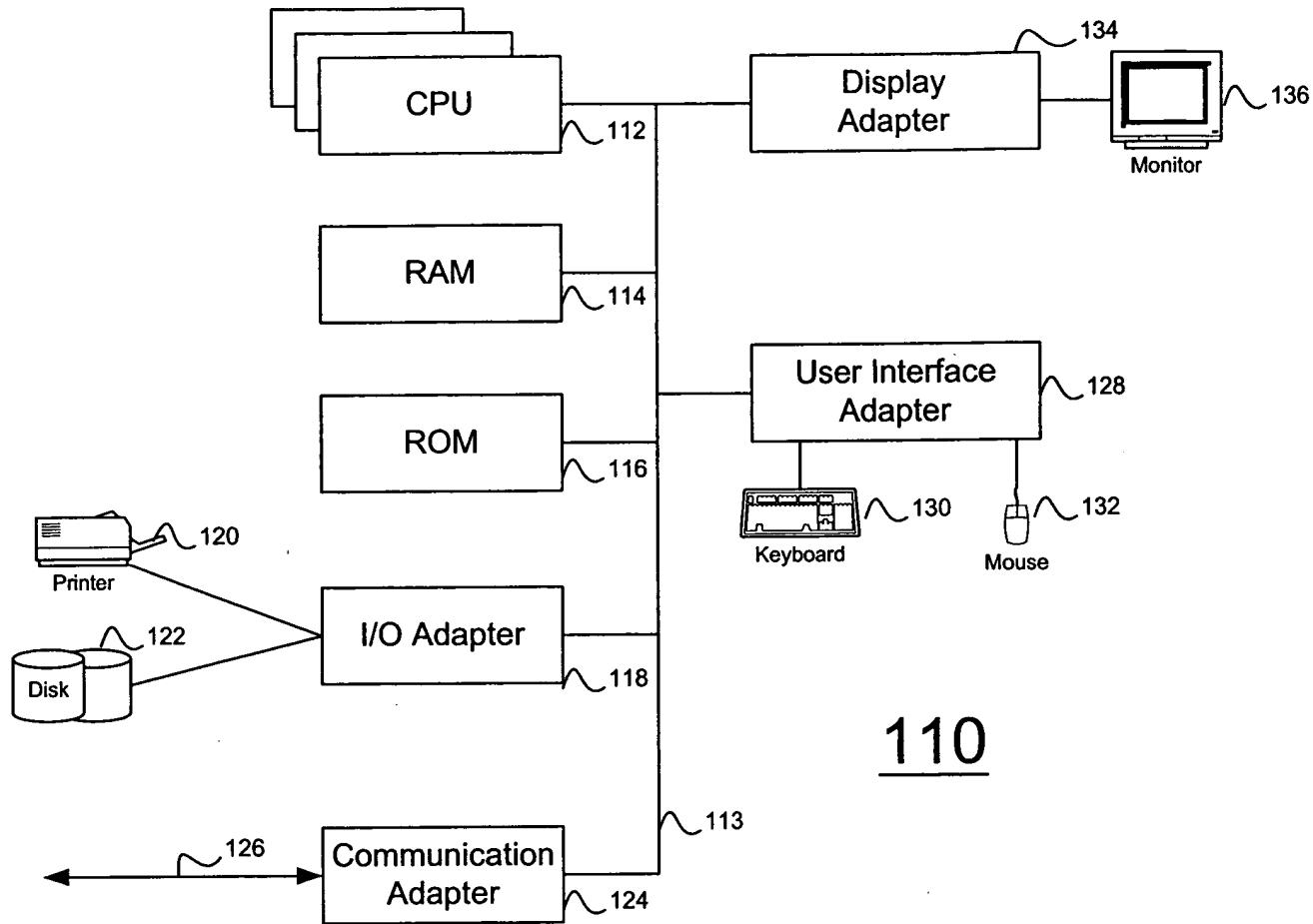


CROSS-REFERENCE TO RELATED PATENTS



Prior Art

Figure 1A



Prior Art

Figure 1B

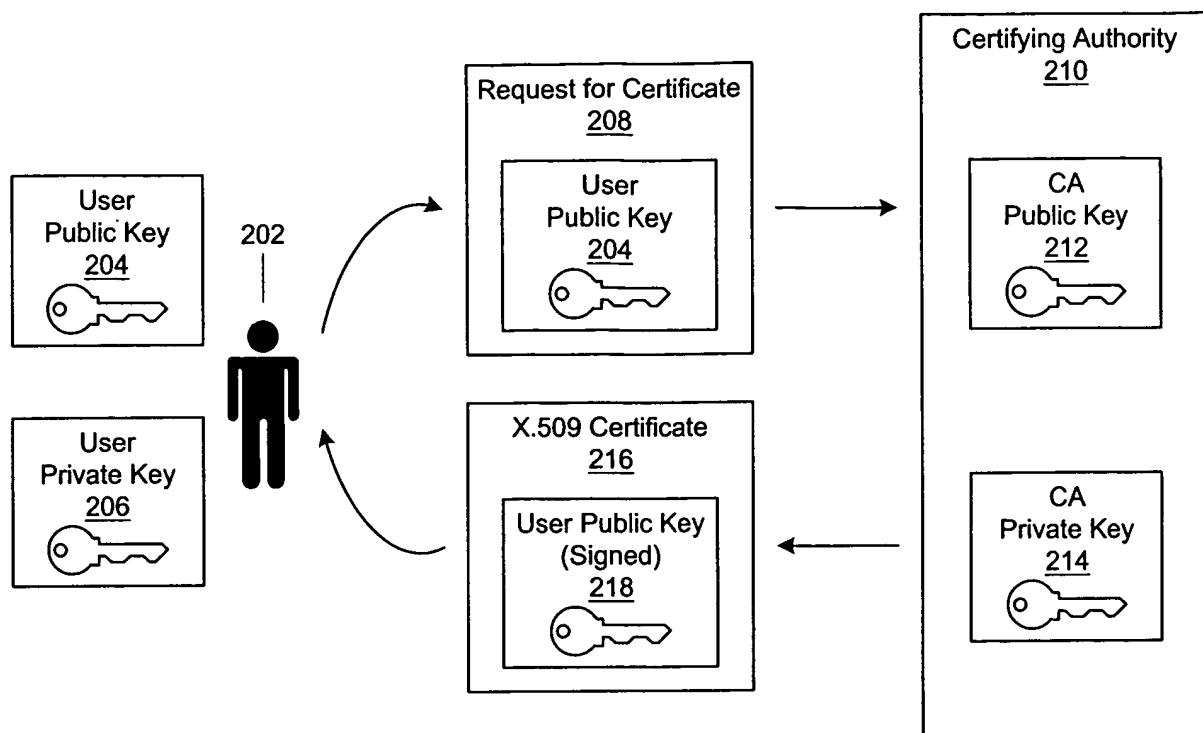


Figure 2

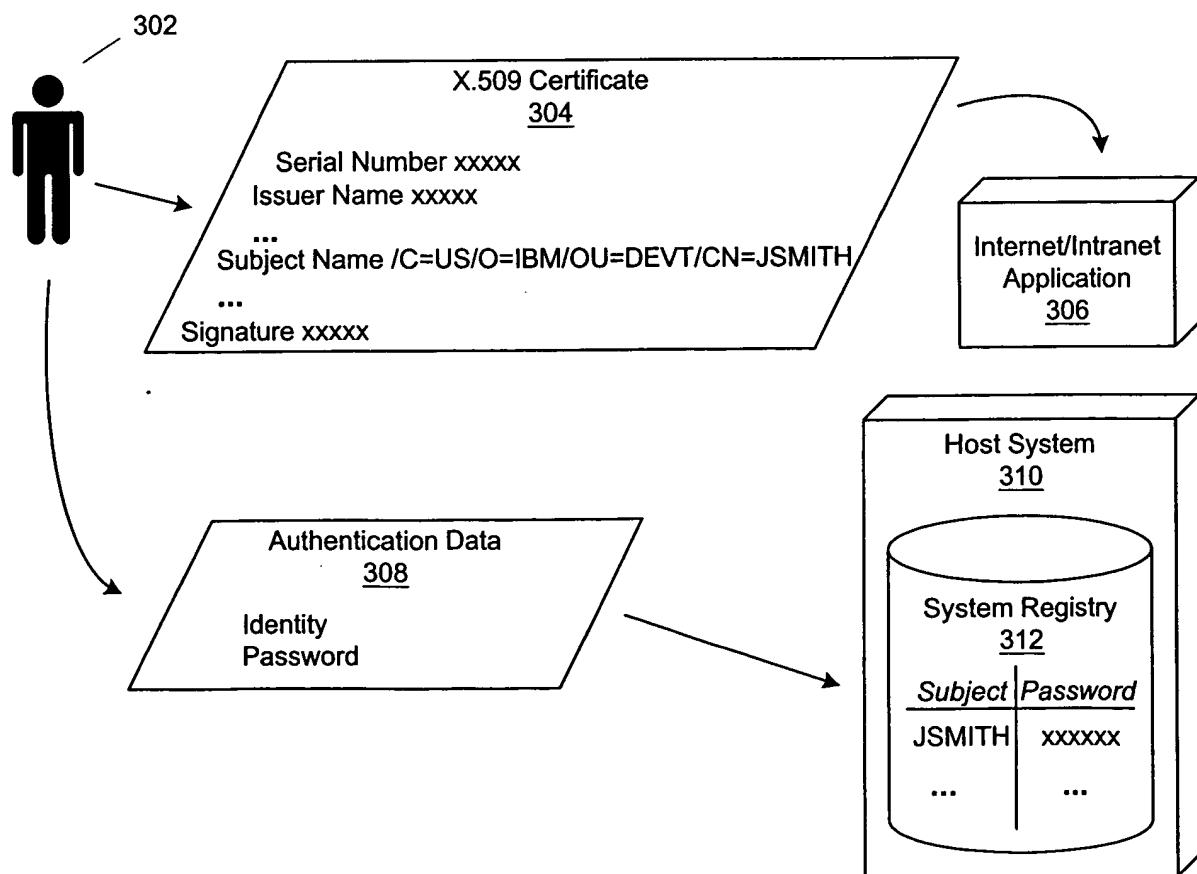


Figure 3

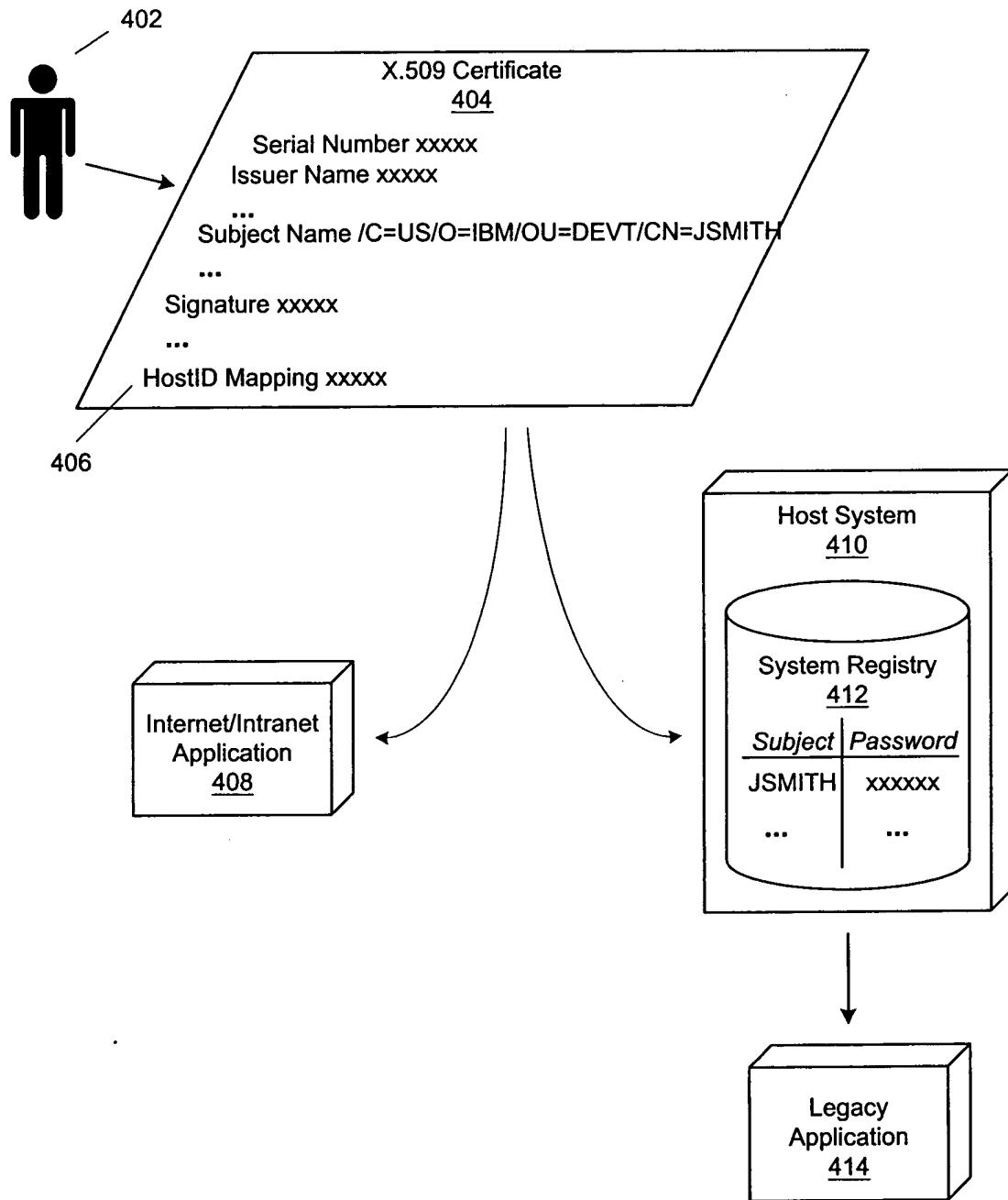


Figure 4

```

Certificate ::= SEQUENCE {
    tbsCertificate           TBSCertificate,
    signatureAlgorithm       AlgorithmIdentifier,
    signature                 BIT STRING }

TBSCertificate ::= SEQUENCE {
    version                  [0] Version DEFAULT v1,
    serialNumber             CertificateSerialNumber,
    signature                AlgorithmIdentifier,
    issuer                   Name,
    validity                 Validity,
    subject                  Name,
    subjectPublicKeyInfo     SubjectPublicKeyInfo,
    issuerUniqueID           [1] IMPLICIT UniqueIdentifier OPTIONAL,
    subjectUniqueID          [2] IMPLICIT UniqueIdentifier OPTIONAL,
    extensions               [3] Extensions OPTIONAL }

Version ::= INTEGER { v1(0), v2(1), v3(2) }

CertificateSerialNumber ::= INTEGER

Validity ::= SEQUENCE {
    notBefore                Time,
    notAfter                 Time }

Time ::= CHOICE {
    utcTime                  UTCTime,
    generalTime               GeneralizedTime }

UniqueIdentifier ::= BIT STRING

SubjectPublicKeyInfo ::= SEQUENCE {
    algorithm                AlgorithmIdentifier,
    subjectPublicKey          BIT STRING }

Extensions ::= SEQUENCE SIZE (1..MAX) OF Extension

Extension ::= SEQUENCE {
    extnID                   OBJECT IDENTIFIER,
    critical                 BOOLEAN DEFAULT FALSE,
    extnValue                OCTET STRING }

```

Figure 5

Priort Art

```

HostIdMapping ::= SEQUENCE {
    hostName                 [1] IMPLICIT IA5String,
    subjectID                IMPLICIT IA5String,
    proofOfIdPossession      IdProof OPTIONAL }

IdProof ::= SEQUENCE {
    secret                   OCTET STRING,
    encryptionAlgorithm      OBJECT IDENTIFIER }

```

Figure 6

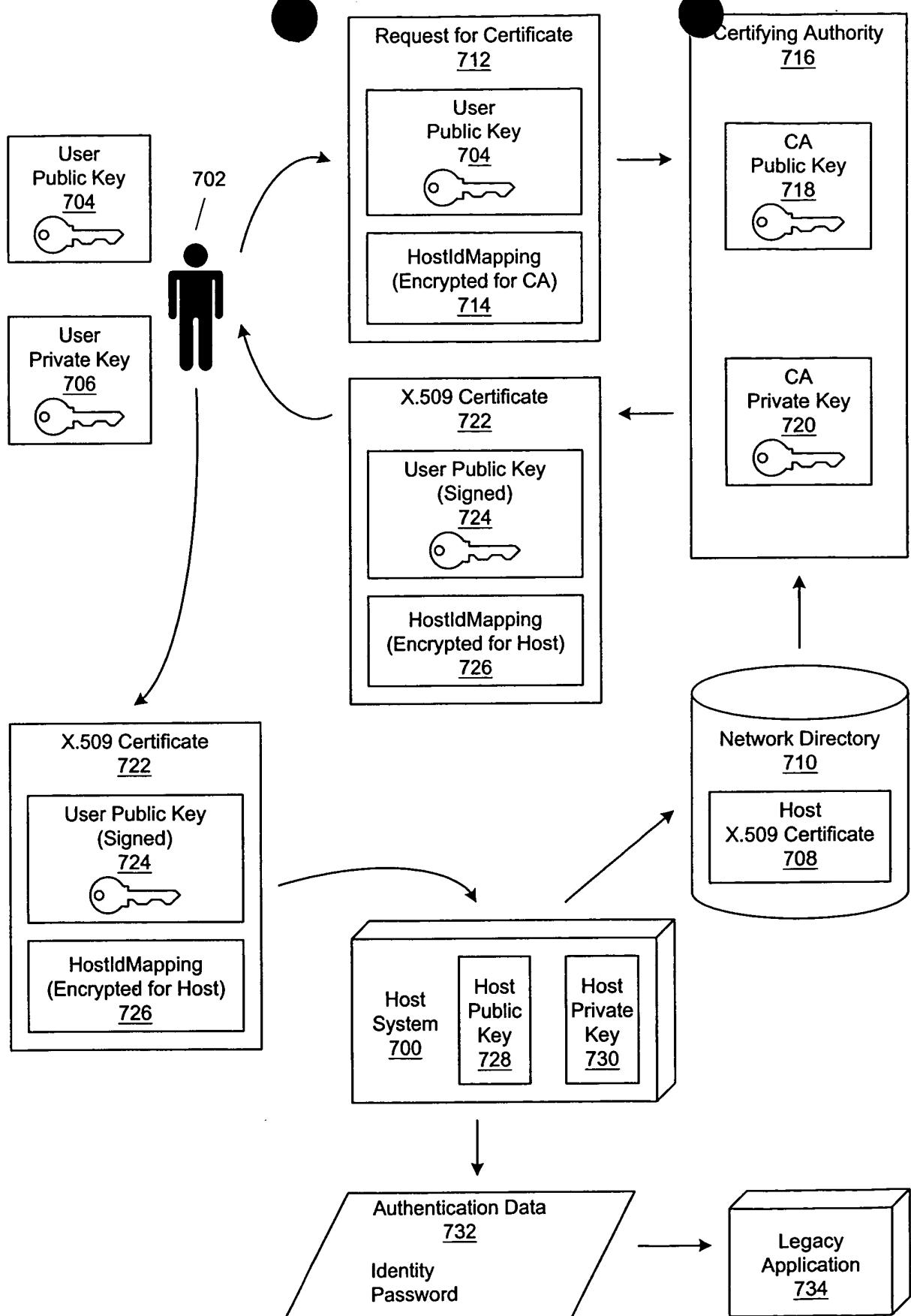


Figure 7

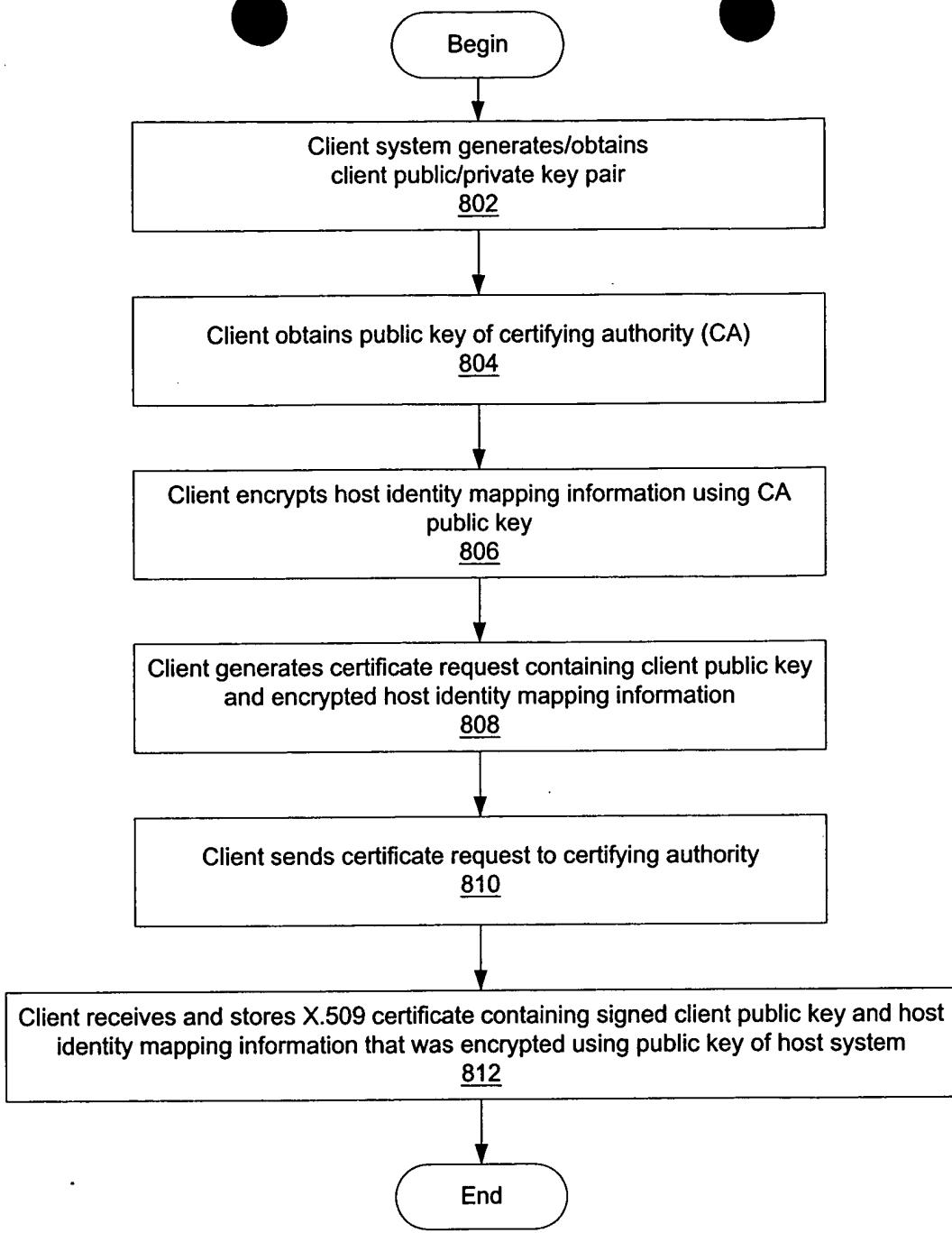


Figure 8A

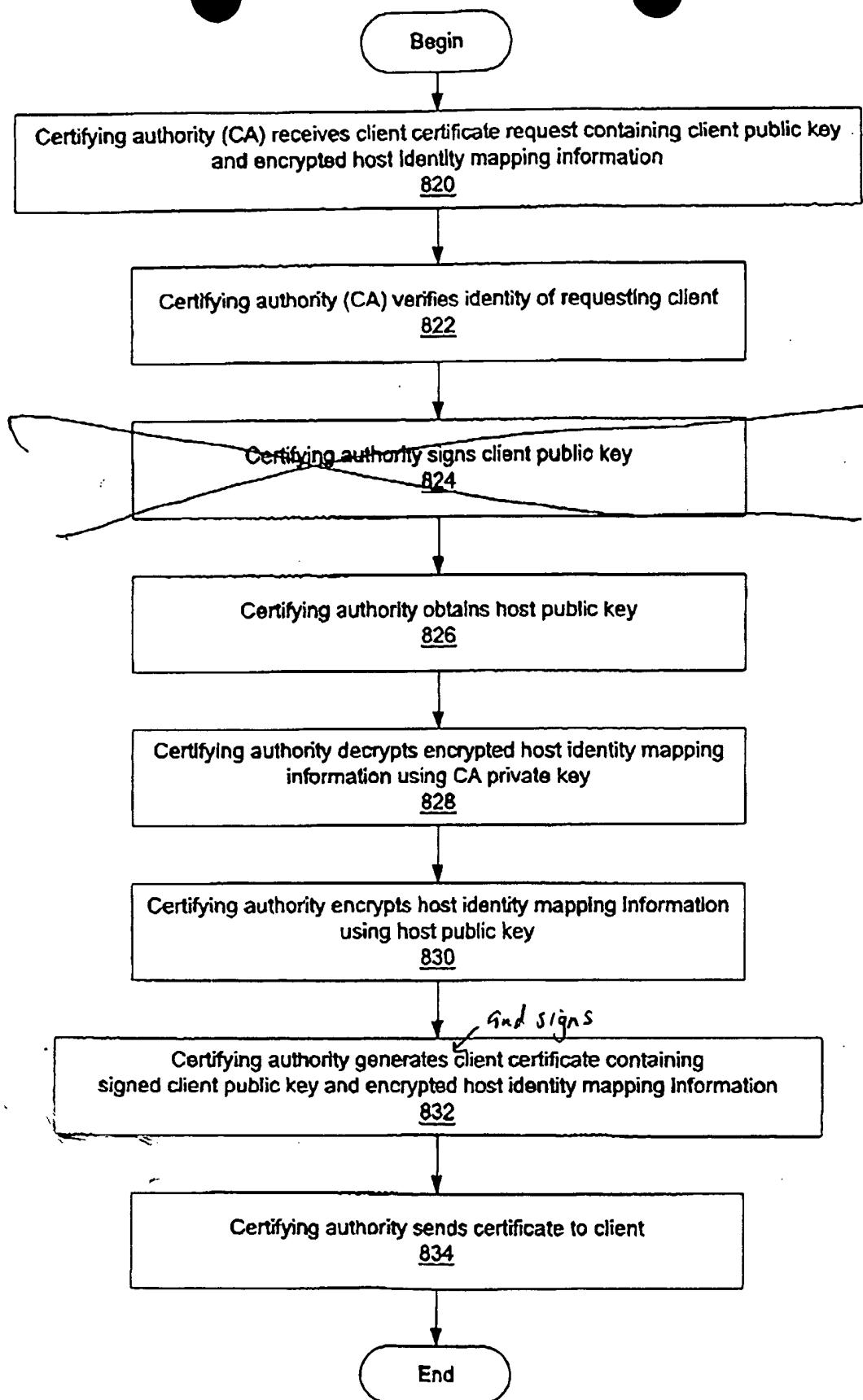


Figure 8B

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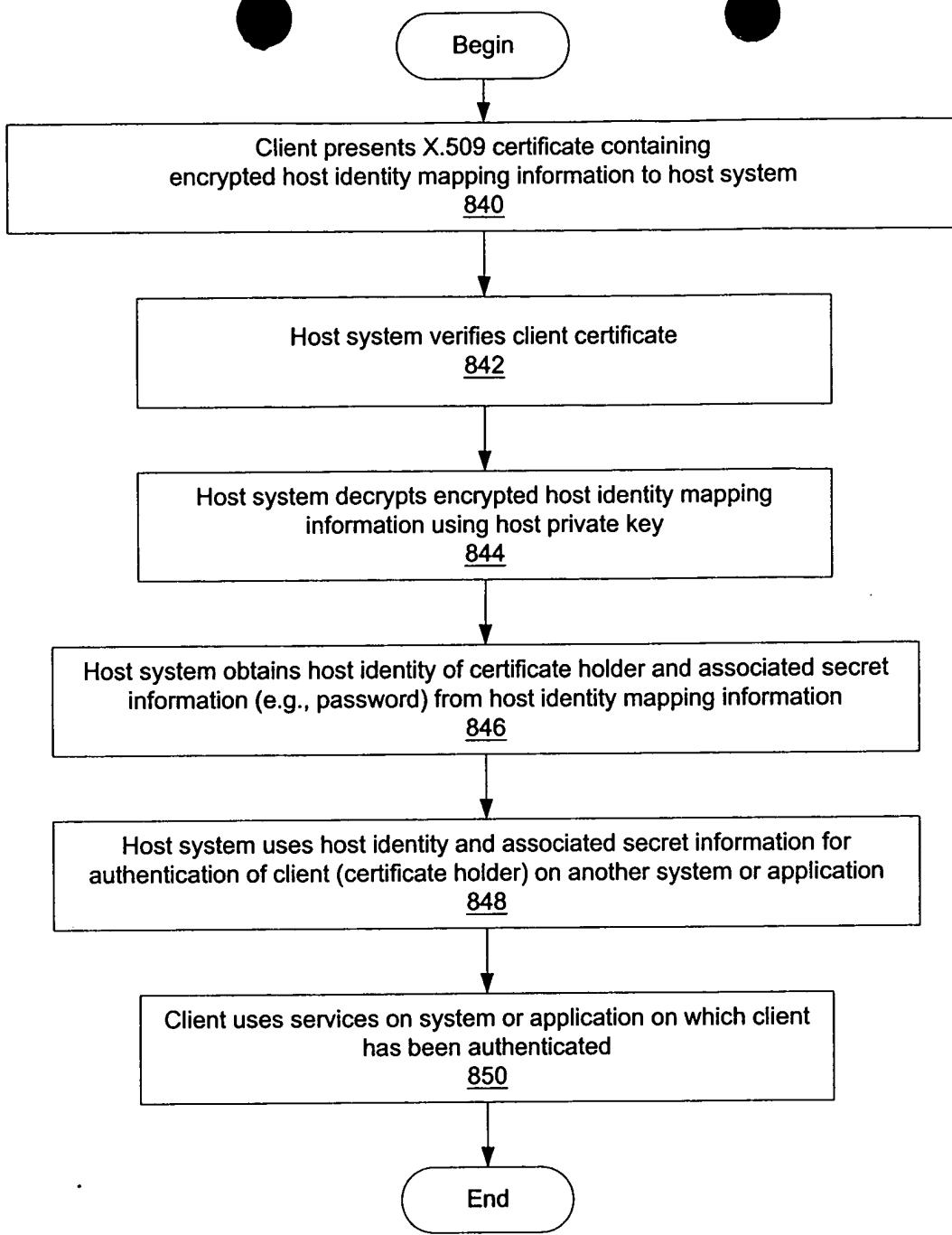


Figure 8C